



1 **EC TYPE-EXAMINATION CERTIFICATE**

2 Component intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: **Sira 10ATEX1228U** Issue: **2**

4 Component: **Type FG & FN Right Angle Adaptors**

5 Applicant: **EX Innovations Limited**

6 Address: 

Jepson Court	<b>Trading as Raxton</b>
Tancred Close	Kingsway South
Queensway	Westgate
Royal Leamington Spa	Aldridge
Warwickshire CV31 3RZ	West Midlands WS9 8FS
UK	UK

7 This component and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of a component intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:



EN 60079-0:2009      EN 60079-1:2007      EN 60079-7:2007      IEC 60079-31:2008

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request

10 The sign 'U' is placed after the certificate number to indicate that the product assessed is a component and may be subject to further assessment when incorporated into equipment. Any special conditions for safe use are listed in the schedule to this certificate.

11 This EC type-examination certificate relates only to the design and construction of the specified component. If applicable, further requirements of this Directive apply to the manufacture and supply of this component.

12 The marking of the component shall include the following:

	I M2	Or		II 2 G D
	Ex d I Mb			Ex d IIC Gb
				Ex IIIC tb Db
	Ex e I Mb			Ex e IIC Gb
				Ex IIIC tb Db

Project Number 29745

A C Smith  
Certification Manager

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**Sira Certification Service**

Rake Lane, Eccleston, Chester, CH4 9JN, England



## SCHEDULE

### EC TYPE-EXAMINATION CERTIFICATE

Sira 10ATEX1228U  
Issue 2

#### 13 DESCRIPTION OF COMPONENT

The FG and FN Right Angle Adaptors each comprise a brass or stainless steel body with a male thread at one end a female thread machined into the body at 90° to the male thread. The components are designed to provide cable entry options where space is limited or to avoid cable damage, additionally, they may be used to convert an existing cable entry aperture to a different thread form and/or size. Thread forms are between M16 and M75 (to BS 3643:1981) inclusive, the male thread being the same or one 'standard' thread size larger than the female

Alternatively the component may be machined such as to have female threads at both ends.

Material options:

- Brass to BS 2874:1985
- Brass to BS 2872:1989
- Stainless steel to BS 970: part 4:1970
- Mild steel to BS 970: Part 1: 1983

Entry thread options:

- Metric to BS 3643:1981
- ET Conduit to BS 31:1940
- PG to DIN 40430:1971
- BSPP to BS 2779:1985
- BSPT to BS 21:1985
- NPT to ANSI/ASME B1.20.1-1983

**Variation 1** - This variation introduced the following change:

- The recognition that the company name and address has changed from Raxton Ltd, Westgate, Aldridge, West Midlands WS9 8FS to EX Innovations Ltd., Trading as Raxton at Jepson Court, Tancred Close, Queensway, Royal Leamington Spa, Warwickshire CV31 3RZ.
- The introduction of a Condition of Certification.

#### 14 DESCRIPTIVE DOCUMENTS

##### 14.1 Drawings

Refer to Certificate Annexe.

##### 14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	22 October 2010	R22194A/00	The release of the prime certificate.
1	09 November 2012	N/A	Issued to correct a typographical error in the marking
2	15 January 2013	R29745A/00	The introduction of Variation 1.

#### 15 SPECIAL CONDITIONS FOR SAFE USE

None

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**SCHEDULE**

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Sira 10ATEX1228U  
Issue 2

**16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)**

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

**17 CONDITIONS OF CERTIFICATION**

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.
- 17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.
- 17.3 These products shall be marked in accordance with the information as specified in this certificate and related reports.

# Certificate Annexe

Certificate Number: Sira 10ATEX1228U  
Component: Type FG & FN Right Angle Adaptors  
Applicant: EX Innovations Limited Trading as Raxton



## Issue 0

Drawing No.	Sheets	Rev.	Date (Sira stamp)	Title
831 A	1 of 1	-	11 Oct 10	Type FG and FN Right Angle Adaptors

Issue 1 No new drawings were introduced.

## Issue 2

Drawing No.	Sheets	Rev.	Date (Sira Stamp)	Title
MD - 01	1 of 1	1	14 Jan 13	Raxton Marking Label Drawing

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## Sira Certification Service

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